Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. ***First & Final Bill*** Date……2019

Division: **BBMP, Byatarayanapura** Sub-Division: **BBMP, Vidyarnyapura**

Bill Received No. Dated Divisional / Sub Divisional Cash Book Voucher No…….. Dated…….

Schedule Docket No. Head of Account: **P1771** **Work Code: 009-18-000022** **Est.Cost: 15.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate):	Maintenance of BBMP Buildings in Ward No. 09 (Vidyaranyapura) Vidyaranyapura Sub Division.
Name of Contractor and Full Address:	Sri. Chethan. C, Contractor, # 28, Anjaneyaswamy Layout, 1st Main, Thindlu, Vidyaranyapura (P), Bangalore – 97.
Reference to Agreement No.	EE/BTP/BBMP/ E-PMT/24(29527)/WO/111/2018-19 **Date: 19.10.2019**

Certified that the measurements were taken by me on 16-12-2019 and recorded of **Pages** 494764 to 494778 of measurement Book No. 4948/1819 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 16/12 ……and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub Division Officer

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

II Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being ……percent Rs……
3) " Balance
4) Deduct Payment:
   a. Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No…….…. Amount adjusted towards cash advance recovery of
   b. Payments Now made: cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments.
7) Net amount due to or from Contractor unadjustments items.
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

Total amount adjusted -

Contractor's Signature

Received Rs…….. (in words)…….

……

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

(For use in the Office)

Witness
1.
2.

Stamp

Dated Signature of Contractor

Paid by me by Cheque No……Dated……

Cash Rs……..

Dated……

Initials of Officer making payment

Executive Engineer

Sl. No.		Unit
1	Earthwork in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed etc complete as per specifications and directions of engineer in charge of the work	Cum
2	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods etc complete as per specifications and directions of engineer in charge of the work	Cum
3	Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
4	Providing and **constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6,** stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
5	Providing and **constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6,** edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
6	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges etc complete as per specifications and directions of engineer in charge of the work	Cum
7	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour etc complete as per specifications and directions of engineer in charge of the work	Cum
8	Providing and constructing load bearing wall with **solid concrete blocks of size 400x200x200 mm** having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm
9	Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - **TMT bars Fe 500** etc complete as per specifications and directions of engineer in charge of the work	Tonne
10	Providing and laying **integral cement based waterproofing treatment** including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole	Sqm
11	Providing **12mm thick cement plaster in single coat with cement mortar 1:3**, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	12.58	162.08	2039.00	12.58	2039.00	
-	-	8.59	195.12	1676.00	8.59	1676.00	
-	-	33.74	5024.56	169529.00	33.74	169529.00	
-	-	4.77	4322.54	20619.00	4.77	20619.00	
-	-	2.15	5167.02	11109.00	2.15	11109.00	
-	-	2.68	6069.32	16266.00	2.68	16266.00	
-	-	8.59	131.11	1126.00	8.59	1126.00	
-	-	24.68	967.33	23874.00	24.68	23874.00	
-	-	0.27	62568.97	16894.00		16894.00	
-	-	360.87	933.27	336789.00		336789.00	
-	-	128.53	225.06	28927.00		28927.00	

Sl. No.		Unit
12	Providing **18mm thick cement plaster in single coat with cement mortar 1:4,** to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm
13	Providing **18mm thick cement plaster in single coat with cement mortar 1:6,** to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm
14	Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for flat surface such as suspended **floors, roofs, landings, balconies and likes, thickness above 200 mm** including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work	Sqm
15	Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for sides and soffits of **beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth** including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work	Sqm
16	Providing and fixing 1mm thick **M.S. sheet garage door** with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. **Double leaf door of size 2.4x2.4m.** etc complete as per specifications and directions of engineer in charge of the work	Sqm
17	Providing and fixing in position in cement concrete 1:3:6 **steel glazed windows and ventilators** side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery etc complete as per specifications water proofing compound and primary coating the	Sqm
18	Providing and **applying two coats with oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work	Sqm
19	Providing and finishing **external walls in two coats with waterproof cement paint** of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer etc complete as per specifications and directions of engineer in charge of the work	Sqm
20	KSRB 14.10-3: **Providing flooring with 25mm to 40mm thick polished Cadapa slabs** using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing etc complete as per specifications and directions of engineer in charge of the work	Sqm
21	Providing and laying **red oxide flooring 40 mm thick, with an under layer of 30mm thick M-15 cement concrete**, using broken granite metal of 12.5mm nominal size and top layer of 10mm thick plaster with 1:3 cement mortar mixed with red oxide (using 3.5 kg of red oxide per 50 kg of cement) finished with floating coat of neat cement mixed with red oxide (mix of same proportion) , including cost of materials, labour, curing, etc complete as per specifications and directions of engineer in charge of the work	Sqm
22	**Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface** with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work	Sqm
23	**Providing Ceramic tiles of approved make,shade and size for flooring**, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic **Tiles of size 30x30cms 6mm thick.** etc complete as per specifications and directions of engineer in charge of the work	Sqm

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	236.11	228.15	53868.00		53868.00	
-	-	15.95	204.41	3260.00		3260.00	
-	-	9.18	396.43	3639.00		3639.00	
-	-	7.42	264.29	1961.00		1961.00	
-	-	12.29	2407.49	29588.00		29588.00	
-	-	6.48	3644.27	23615.00		23615.00	
-	-	1214.31	73.30	89009.00		89009.00	
-	-	654.57	86.72	56764.00		56764.00	
-	-	11.80	1141.80	13473.00		13473.00	
-	-	75.70	596.71	45171.00		45171.00	
-	-	241.88	86.72	20976.00		20976.00	
-	-	9.00	1214.07	10927.00		10927.00	

Sl. No.		Unit
24	**Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3** and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of **size 30 x 10 cms**. etc complete as per specifications and directions of engineer in charge of the work	Sqm
25	Providing and fixing white vitreous china clay, water closet **Indian type** (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C **flushing cistern** (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work	pan
26	**Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm** with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work	Unit
27	**Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 32mm** dia nominal bore with fittings (medium grade weight 1.65 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing etc complete as per specifications and directions of engineer in charge of the work	m
28	Supplying water **storage tanks made of virgin polymer (LLDPE)** with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI etc complete as per specifications and directions of engineer in charge of the work	L
29	Providing and fixing in **position brass stop cock of approved quality 20mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads etc complete as per specifications and directions of engineer in charge of the work	Each
30	Providing and laying in **position to required level or slope 150mm internal diameter salt glazed stoneware pipes** grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges etc complete as per specifications and directions of engineer in charge of the work	m
31	Cement concrete pavement.Construction of **un-reinforced plain cement concrete pavement**, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. **- M20 (at 300Kg per cum coarse aggregate @ 0.64cum and fine aggregate @ 0.43cum)** etc complete as per specifications and directions of engineer in charge of the work	Cum
	Total	

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.

AE 10-09

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	19.13	1532.04	29308.00		29308.00	
-	-	3.00	3565.82	10697.00		10697.00	
-	-	2.00	4011.79	8024.00		8024.00	
-	-	30.00	361.33	10840.00		10840.00	
-	-	500.00	6.19	3095.00		3095.00	
-	-	9.00	165.18	1487.00		1487.00	
-	-	30.00	364.43	10933.00		10933.00	
-	-	21.89	5365.24	117445.00		117445.00	
				1172928.00		**1172928.00**	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97